

DECLARATION, POWER OF ATTORNEY AND PETITION

I, Kiril B. Chukanov, declare: that I am a citizen of the United States of America; that my residence and post office address is 6648 South 3335 West, West Jordan, Utah 84084; that I verily believe I am the original, first, and sole inventor of the subject matter of the invention or discovery entitled "Methods and Systems for Generating High-Energy Photons or Quantum Energy," for which a patent is sought and which is described and claimed in the specification attached hereto; that I have reviewed and understand the contents of the above-identified specification, including the claims; and that I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Section 1.56 of Title 37 of the Code of Federal Regulations.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby appoint as my attorneys/agents:

Dale E. Hulse, Registration No. 29,654
Berne S. Broadbent, Registration No. 30,550
Todd E. Zenger, Registration No. 33,610
Michael F. Krieger, Registration No. 35,232
Stephen H. Bean, Registration No. 41,607
Michael M. Conger, Registration No. 43,562

Julie H. Gheem, Registration No. 47,592
Christopher L. Johnson, Registration No. 46,809

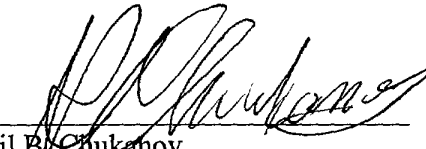
with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

Berne S. Broadbent
KIRTON & McCONKIE
1800 Eagle Gate Tower
60 East South Temple Street
P.O. Box 45120
Salt Lake City, Utah 84145-0120

Telephone: (801) 328-3600

Wherefore, I pray that Letters Patent be granted to me for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Salt Lake City, Utah this 21 day of November, 2001.


Kiril B. Chukanov
6648 South 3335 West
West Jordan, Utah 84084

DECLARATION CLAIMING SMALL ENTITY STATUS
FOR A SMALL BUSINESS CONCERN

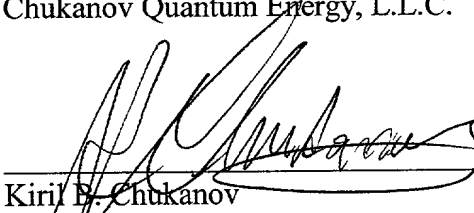
I, Kiril B. Chukanov, hereby declare: that I am a Manager of Chukanov Quantum Energy, L.L.C., a Utah limited liability company having a principal place of business at 6648 South 3335 West, West Jordan, Utah 84084; that I am empowered to act on behalf of Chukanov Quantum Energy, L.L.C.; and that Chukanov Quantum Energy, L.L.C. qualifies as a small business concern as defined in 13 C.F.R. part 121 and as referenced in 37 C.F.R. § 1.9(d), for purposes of paying reduced fees to the Patent and Trademark Office under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of Chukanov Quantum Energy, L.L.C., including those of its affiliates, does not exceed 500 persons. I understand that, for purposes of this declaration, (i) the number of employees is the average over the previous fiscal year of the number of persons employed on a full-time, part-time, or temporary basis during each of the pay periods of the fiscal year, and (ii) two business concerns are considered to be affiliates of each other when one business concern either directly or indirectly controls or has the power to control the other, or when a third party or parties control or have the power to control both business concerns.

I further declare that all rights, title, and interest relating to the invention entitled Methods and Systems for Generating High-Energy Photons or Quantum Energy, invented by Kiril B. Chukanov, as described in the patent application filed concurrently herewith, have been conveyed to and currently remain with Chukanov Quantum Energy, L.L.C.

I acknowledge the duty to file, in the above-mentioned application or any patent issued in respect thereof, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of (1) the issue fee or (2) any maintenance fee due after the date on which status as a small entity is no longer appropriate. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Signed at Salt Lake City, Utah this 21 day of November, 2001.

Chukanov Quantum Energy, L.L.C.



Kiril B. Chukanov
Manager